

***What is claimed is:***

1. A method for executing a web-based application within a browser, comprising:  
loading a top-level page, said top-level page referencing a first library file;  
loading said first library file, wherein said first library file includes an application program interface component;  
loading a second library file, wherein said second library file references said application program interface component; and  
executing said application program interface component referenced by said second library file.
2. The method of claim 1, wherein said top-level page provides an execution context for said first library file and for said second library file.
3. The method of claim 1, wherein said top-level page includes a library manager for loading library files.
4. The method of claim 1, wherein said loading said first library file further comprises loading said first library file into a new context within said top-level page.
5. The method of claim 4, wherein said new context is an iframe.
6. The method of claim 4, wherein said new context is a layer.
7. The method of claim 1, wherein said loading said second library file further comprises loading said second library file into a new context within said top-level page.
8. The method of claim 7, wherein said new context is a new iframe.
9. The method of claim 7, wherein said new context is a new layer.

10. The method of claim 1, further comprising loading a sub-library file in response to a reference to said sub-library file in said first library file.

11. The method of claim 1, further comprising loading a sub-library file in response to a reference to said sub-library file in said second library file.

12. The method of claim 1, wherein said second library file is loaded in response to user interaction with the browser.

13. A method for implementing a web-based application program interface, comprising:  
loading a top-level page into a web-browser, said top-level page adapted to be processed by the web-browser;  
receiving a request to load a first library file, said first library file including an application program interface component;  
determining if said first library file has been loaded;  
loading said first library file into a new context in said top-level page if said first library file has not been loaded;  
determining if said first library file references a second library file;  
determining if said second library file has been loaded; and  
loading said second library file into a new context in said top-level page if said second library file has not been loaded.

14. The method of claim 13, wherein said top-level page includes a library manager for loading library files.

15. The method of claim 13, wherein said request is included in said top-level page.

16. The method of claim 13, wherein said request is generated by user interaction with the web-browser.

17. The method of claim 13, wherein said request is generated by a web-based application executing in the web-browser.

18. The method of claim 13, wherein said new context is an iframe.

19. The method of claim 13, wherein said new context is a layer.

20. A computer program product for enabling a processor in a computer system to implement a system for executing a web-based application within a browser, said computer program product comprising:

a computer usable medium having computer readable program code means embodied in said computer usable medium for causing a program to execute on the computer system, said computer readable program code means comprising:

means for enabling the computer system to load a top-level page, said top-level page referencing a first library file;

means for enabling the computer system to load said first library file, wherein said first library file includes an application program interface component;

means for enabling the computer system to load a second library file, wherein said second library file references said application program interface component; and

means for enabling the computer system to execute said application program interface component referenced by said second library file.

21. The computer program product of claim 20, wherein said top-level page provides an execution context for said first library file and for said second library file.

22. The computer program product of claim 20, wherein said top-level page includes a library manager for loading library files.

23. The computer program product of claim 20, wherein said means for enabling the computer system to load said first library file further comprises means for enabling the computer system to load said first library file into a new context within said top-level page.

24. The computer program product of claim 23, wherein said new context is an iframe.
25. The computer program product of claim 23, wherein said new context is a layer.
26. The computer program product of claim 20, wherein said means for enabling the computer system to load said second library file further comprises said means for enabling the computer system to load said second library file into a new context within said top-level page.
27. The computer program product of claim 26, wherein said new context is a new iframe.
28. The computer program product of claim 26, wherein said new context is a new layer.
29. The computer program product of claim 20, further comprising means for enabling the computer system to load a sub-library file in response to a reference to said sub-library in said first library file.
30. The computer program product of claim 20, further comprising means for enabling the computer system to load a sub-library file in response to a reference to said sub-library in said second library file.
31. The computer program product of claim 26, wherein said second library file is loaded in response to user interaction with the browser.
32. A computer program product for enabling a processor in a computer system to implement a system for executing a web-based application within a browser, comprising:
  - a computer usable medium having computer readable program code means embodied in said computer usable medium for causing a program to execute on the computer system, said computer readable program code means comprising:
    - means for enabling the computer system to load a top-level page, said top-level page referencing a first library file;

33. A computer program product for enabling a processor in a computer system to implement a system for implementing a web-based application program interface, said computer program product comprising:

a computer usable medium having computer readable program code means embodied in said computer usable medium for causing a program to execute on the computer system, said computer readable program code means comprising:

means for enabling the computer system to load a top-level page into a web-browser, said top-level page adapted to be processed by the web-browser;

means for enabling the computer system to receive a request to load a first library file, said first library file including an application program interface component;

means for enabling the computer system to determine if said first library file has been loaded;

means for enabling the computer system to load said first library file into a new context in said top-level page if said first library file has not been loaded;

means for enabling the computer system to determine if said first library file references a second library file;

means for enabling the computer system to determine if said second library file has been loaded; and

means for enabling the computer system to load said second library file into a new context in said top-level page if said second library file has not been loaded.

34. The computer program product of claim 33, wherein said top-level page includes a library manager for loading library files.

35. The computer program product of claim 33, wherein said request is included in said top-level page.

36. The computer program product of claim 33, wherein said request is generated by user interaction with the web-browser.

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